

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method comprising:

receiving, at a ~~first~~ transceiver, a beacon frame wherein said beacon frame comprises a beacon interval and wherein ~~said the first~~ transceiver communicates in accordance with at least a first communications protocol using a shared-communications channel;

determining a transmit opportunity on ~~said the~~ shared-communications channel wherein ~~said the~~ transmit opportunity is based on the time at which ~~said the~~ beacon frame is received and on ~~said the~~ beacon interval; and

sending a notification ~~notifying a second transceiver of said the~~ transmit opportunity wherein ~~said second transceiver communicates~~ in accordance with a second communications protocol using ~~said the~~ shared-communications channel.

2. (Currently Amended) The method of claim 1 further comprising powering down ~~said the first transceiver~~ after ~~said determining the transmit opportunity~~.

3. (Currently Amended) The method of claim 1 further comprising ~~notifying said~~ sending a notification that ~~second transceiver that said the~~ transmit opportunity is at an end.

4. (Currently Amended) The method of claim 1 wherein ~~said first the~~ transceiver remains powered on after sending the notification of the transmit opportunity ~~said notifying~~.

5. (Currently Amended) The method of claim 1 further comprising muting a second ~~third~~ transceiver after ~~said determining the transmit opportunity~~, wherein ~~said the second third~~ transceiver communicates in accordance with ~~said the~~ first communications protocol using ~~said the~~ shared-communications channel.

6. (Currently Amended) The method of claim 1 wherein ~~said the~~ transmit opportunity is ~~also~~ based on at least one request to transmit ~~being received from said second transceiver~~.

7. (Currently Amended) The method of claim 6 wherein receipt of ~~said~~ the at least one request to transmit is periodic.

8. (Currently Amended) A method comprising:

receiving at a ~~first~~ transceiver a first beacon frame wherein ~~said~~ the ~~first~~ transceiver communicates in accordance with a first communications protocol using a shared-communications channel;

determining a transmit opportunity on ~~said~~ the shared-communications channel;

sending a notification ~~notifying a second transceiver~~ of ~~said~~ the transmit opportunity wherein ~~said second transceiver communicates~~ in accordance with a second communications protocol using ~~said~~ the shared-communications channel; and

powering down ~~said~~ the ~~first transceiver wherein said powering down is dependent on the~~ based on a time remaining before receiving a second beacon frame.

9. (Currently Amended) The method of claim 8 wherein ~~said~~ the first beacon frame comprises a beacon interval and wherein ~~said~~ the transmit opportunity is based on ~~the~~ a reception time at which said of the first beacon frame ~~is received~~ and ~~on said~~ the beacon interval.

10. (Currently Amended) The method of claim 8 wherein ~~said~~ the powering down is ~~also dependent on the~~ is based on a time it takes said taken by the transceiver to recover from leaving a power down state.

11. (Currently Amended) The method of claim 8 further comprising ~~notifying said second transceiver~~ sending a notification that ~~said~~ the transmit opportunity is at an end.

12. (Currently Amended) The method of claim 8 further comprising sending an indication to mute muting a third transceiver after said determining wherein said third transceiver communicates in accordance with ~~said~~ the first communications protocol using ~~said~~ the shared-communications channel.

13. (Currently Amended) The method of claim 8 wherein ~~said~~ the transmit opportunity is ~~also~~-based on at least one request to transmit ~~being received from said second transceiver~~.

14. (Currently Amended) The method of claim 13 wherein receipt of ~~said~~ the at least one request to transmit is periodic.

15. (Currently Amended) An apparatus comprising:

a first air interface subsystem comprising:

[[(1)]] a receiver for receiving a beacon frame in accordance with a first communications protocol using a shared-communications channel wherein ~~said~~ the beacon frame comprises a beacon interval;

[[(2)]] a processor for determining a transmit opportunity on ~~said~~ the shared-communications channel wherein ~~said~~ the transmit opportunity is based on the time at which ~~said~~ the beacon frame is received and on ~~said~~ the beacon interval; and

[[(3)]] an interface for notifying a second air interface subsystem of ~~said~~ the transmit opportunity; ~~and said, wherein the second air interface subsystem comprising~~ comprises a first transmitter, wherein ~~said~~ the first transmitter communicates in accordance with a second communications protocol using ~~said~~ the shared-communications channel~~[[;]], and wherein said~~ the first air interface subsystem and ~~said~~ the second air interface subsystem are associated with the same host computer.

16. (Currently Amended) The apparatus of claim 15 further comprising a second transmitter wherein ~~said~~ the second transmitter communicates in accordance with ~~said~~ the first communications protocol using ~~said~~ the shared-communications channel.

17. (Currently Amended) The apparatus of claim 16 wherein at least one of ~~said~~ the receiver and ~~said~~ the second transmitter powers down after ~~said~~ the processor determines ~~said~~ the transmit opportunity.

18. (Currently Amended) The apparatus of claim 16 wherein ~~said~~ the receiver and ~~said~~ the second transmitter remain powered on after ~~said~~ the interface notifies ~~said~~ the second air interface subsystem.

19. (Currently Amended) The apparatus of claim 15 wherein ~~said~~ the transmit opportunity is also based on at least one request to transmit being received from ~~said~~ the second air interface subsystem.

20. (Currently Amended) An apparatus comprising:
a station comprising:

[[(1)]] a first air interface subsystem for:

[[(a)]] transmitting a first data block in accordance with a first communications protocol using a shared-communications channel[[;]],

[[(b)]] receiving a beacon frame[[;]], and

[[(c)]] determining a transmit opportunity on ~~said~~ the shared-communications channel wherein ~~said~~ the transmit opportunity is based on ~~said~~ the beacon frame; and

[[(2)]] a second air interface subsystem for transmitting a second data block in accordance with a second communications protocol using ~~said~~ the shared-communications channel; and

a host computer for:

[[(1)]] providing ~~said~~ the first-data block to ~~said~~ the first air interface subsystem; and

[[(2)]] providing ~~said~~ the second data block to ~~said~~ the second air interface subsystem.

21. (Currently Amended) The apparatus of claim 20 wherein ~~said~~ the beacon frame comprises a beacon interval and wherein ~~said~~ the transmit opportunity is also based on the time at which ~~said~~ the first beacon frame is received and on ~~said~~ the beacon interval.